



APPROVAL SHEET

承认书

CUSTOMER NAME 客户名称	SHENZHEN TVT DIGITAL TECHNOLOGY CO.,LTD.	
CUSTOMER P/N 客户料号		
PART NAME 品 名	PIFA antenna	
P/ N 料 号	YJC-6N080-B121	
APPROVAL REV. 版 次	A0	
DELIVERY DATE 送样日期	2025 年 06 月 28 日	
PREPARED BY 承 办	殷飞杰	
CHECKED BY 审 核	方文锋	
APPROVED BY 核 准	肖 汉	
Customer Approved 客 户 承 认		
Prepared By 承 办	Checked By 审 核	Approved By 核 准

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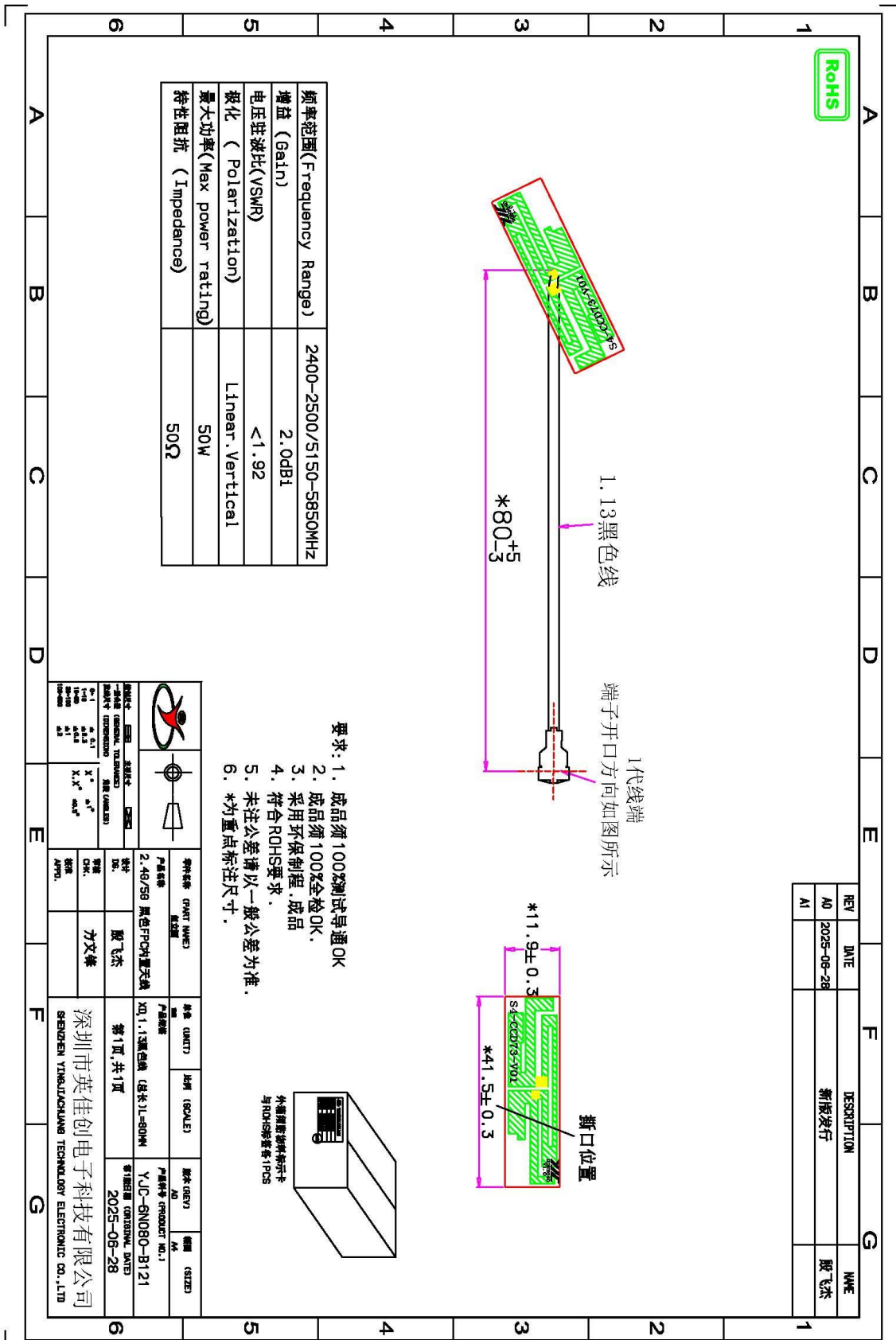
Dongguan Branch Factory: Yingjiachuang Industrial Park, No. 2 Yinhe 3rd Road, Shishuikou, Qiaotou Town, Dongguan

Hangzhou Office: Room 509, Building 1, Binrun Science & Innovation Park, No. 5 Zhiren Street, Puyan Subdistrict, Binjiang District, Hangzhou

Mianyang Office: Unit 4F-34, Wanxiang High-tech International, No. 35 Mianxing East Road, High-tech Zone, Mianyang, Sichuan Province



Antenna plan view:





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Antenna technical parameters and environmental testing

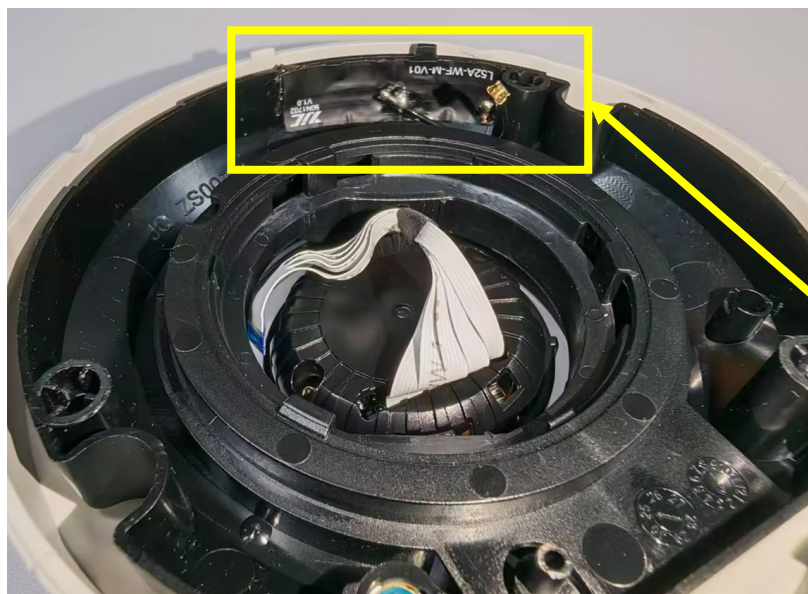
Electrical technical parameters			
电 性 能 指 标		Electrical Specifications	
频率范围	2400-2500/5150-5850MHz	Frequency Range	2400-2500/5150-5850MHz
电压驻波比	<2.0	VSWR	<2.0
输入阻抗	50 Ω	Input Impedance	50 Ω
方向	全向	Direction	All
增益	2.0dBi	Gain	2.0dBi
机 械 指 标		Mechanical Specifications	
线材颜色	黑色	Wire Color	Black
接口形式	XD	Input connector	XD
线材长度	80MM	Wire Length	80MM
工作温度	-20℃~+70℃	Working Temperature	-20℃~+70℃
工作湿度	20%~80%	Working Humidity	20%~80%



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Antenna physical diagram and attachment position diagram



天线贴附位置

Antenna performance test chart:





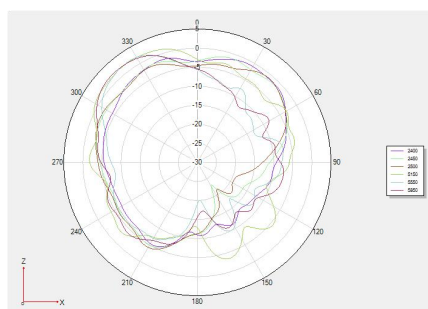
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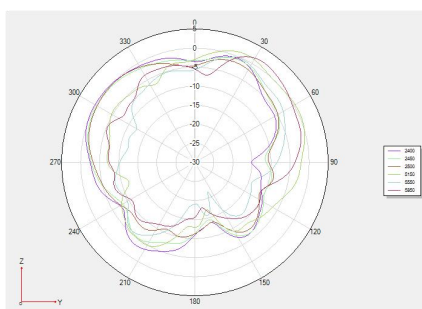
2D and 3D test data (2.4G/5G):

Frequency	Efficiency (%)	Gain. (dBi)
2400MHz	51.64	1.9
2410MHz	52.97	1.75
2420MHz	53.26	1.55
2430MHz	55.57	0.93
2440MHz	57.94	1.3
2450MHz	54.26	1.55
2460MHz	53.59	1.91
2470MHz	52.12	1.72
2480MHz	51.34	1.5
2490MHz	50.66	0.87
2500MHz	48.75	1.19
5150MHz	58.15	2.53
5250MHz	62.71	2.44
5350MHz	64.71	2.78
5450MHz	61.94	1.94
5550MHz	58.21	2.13
5650MHz	60.94	2.85
5750MHz	61.94	2.56
5850MHz	58.88	2.71

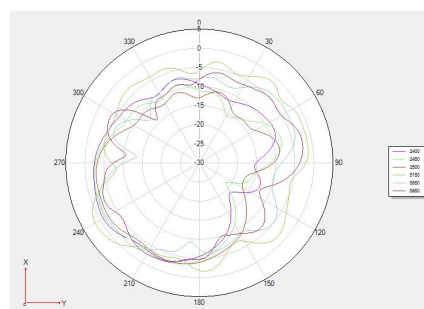
Phi 0 2D 图:



Phi 90 2D 图



Theta 90 2D 图

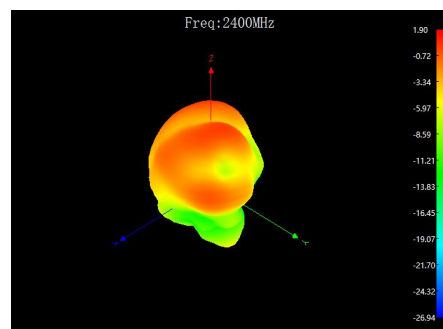
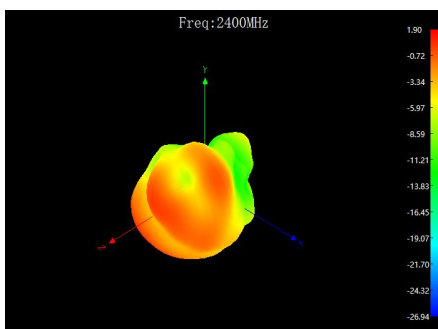
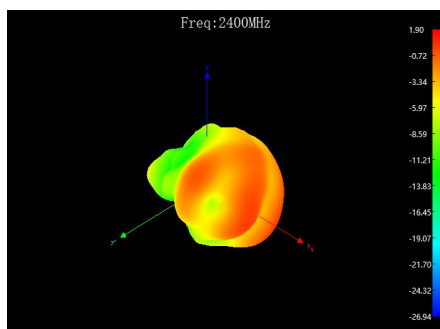




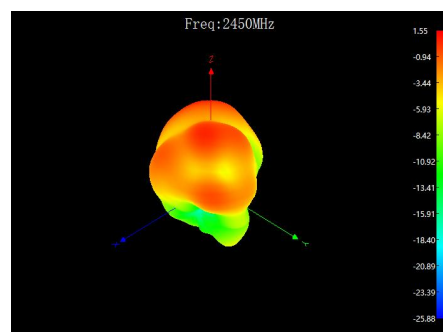
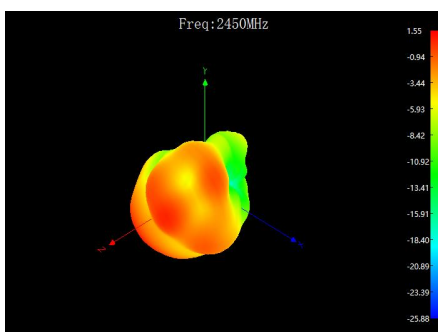
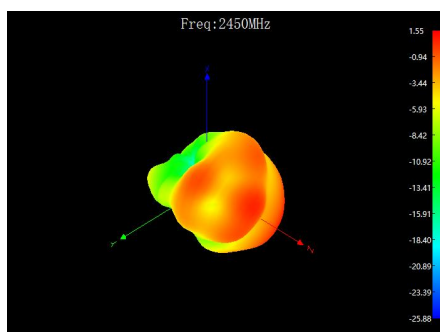
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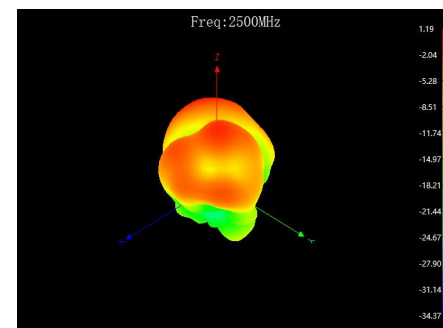
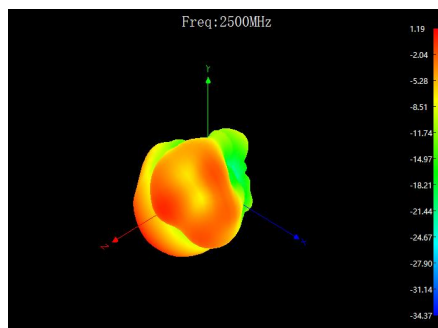
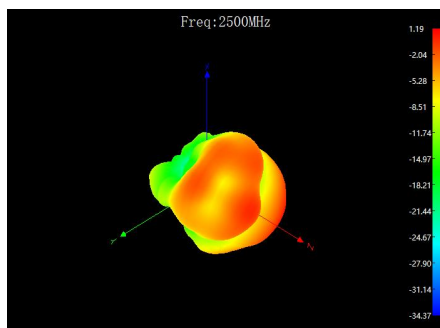
3D 2400:



3D 2450:



3D 2500:

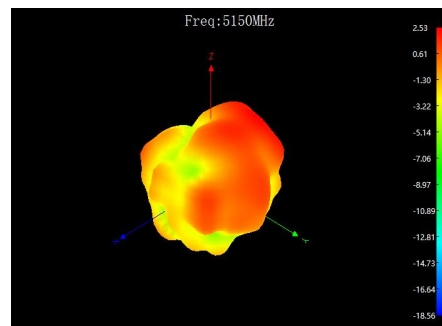
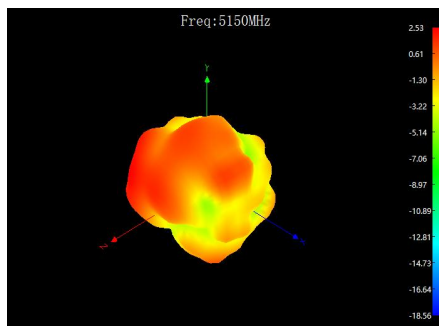
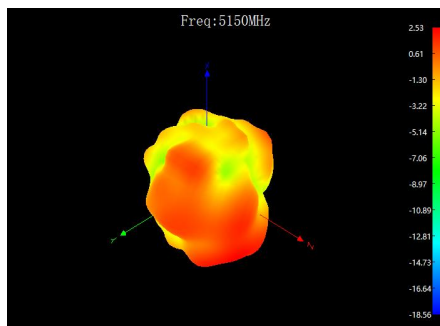




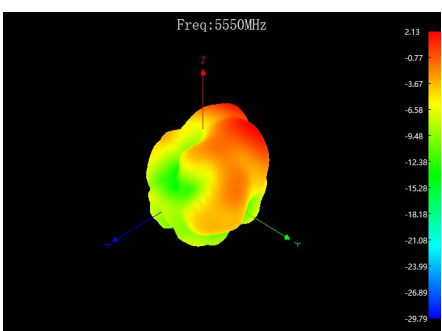
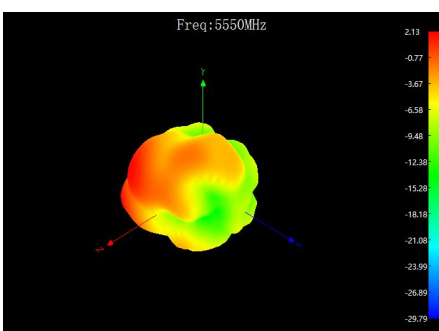
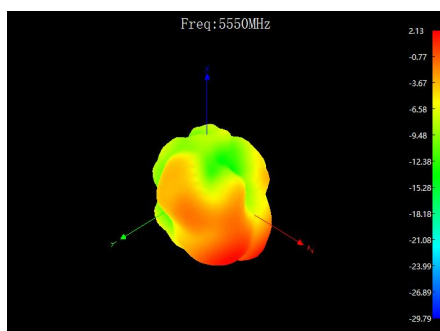
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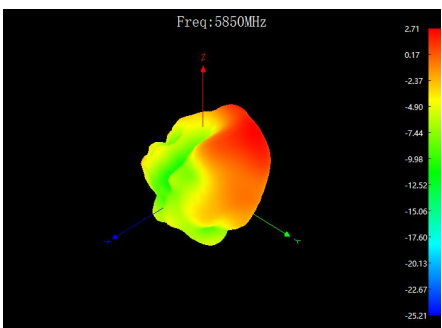
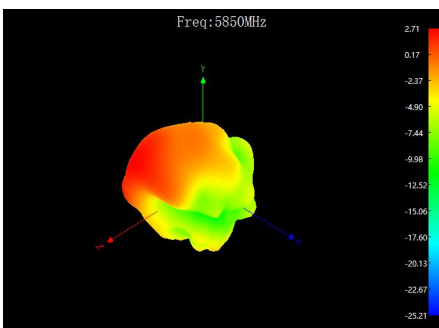
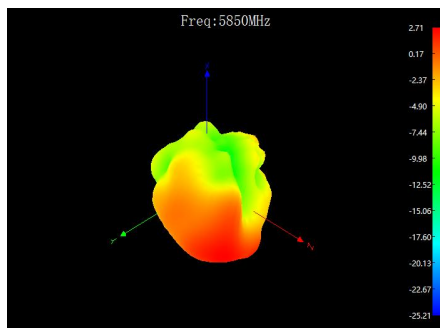
3D 5150:



3D 5550:



3D 5850:





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OTA Active Test Data Statistics:

Item	Measurement	Band	Channel	Frequency	Total
1	TRP	WIFI_B (11M)	1	2412	15.64
2	TRP	WIFI_B (11M)	6	2437	14.16
3	TRP	WIFI_B (11M)	11	2462	13.87
4	TIS(EIRP)	WIFI_B (11M)	1	2412	-73.84
5	TIS(EIRP)	WIFI_B (11M)	6	2437	-74.2
6	TIS(EIRP)	WIFI_B (11M)	11	2462	-71.51
7	TRP	WIFI_A (54M)	36	5180	19.97
8	TRP	WIFI_A (54M)	149	5745	16.66
9	TRP	WIFI_A (54M)	165	5825	17.11
10	TIS(EIRP)	WIFI_A (54M)	36	5180	-69.87
11	TIS(EIRP)	WIFI_A (54M)	149	5745	-68.45
12	TIS(EIRP)	WIFI_A (54M)	165	5825	-66.61